

What is claimed is:

1. In a messaging system communicating a message between a client device and servers over a plurality of wireless networks, each of which is adapted to support one or more wireless network protocols, and wherein a web server communicates with the server, a method for monitoring status of the server with remote monitor clients, the method comprising:

publishing a list of available servers to the remote monitor clients;
receiving servers selected from the list of available servers from the remote monitor clients;
dynamically generating information about the selected servers with the web server; and
providing the dynamically generated information from the web server to the remote monitor clients.

2. The method according to claim 1, further comprising retrieving the list of available servers from a database with the web server.

3. The method according to claim 2, wherein the database is a message router database.

4. The method according to claim 1, wherein the dynamically generating step comprises:

examining a cache of the web server for the information; and
if the information is not present in the cache, retrieving the information from the selected server and storing the information in the cache.

5. The method according to claim 1, further comprising, receiving a request for selected information from the selected servers.

6. The method according to claim 5, wherein the dynamically generated information is the selected information.

7. The method according to claim 1, further comprising:
determining an access level of the remote monitor client to receive information; and
providing only information corresponding to the access level to the remote monitor client.
8. The method according to claim 7, wherein the determining step comprises:
issuing the remote monitor client a digital certificate;
associating the digital certificate with the access level; and
examining the digital certificate.
9. The method according to claim 1, wherein the dynamically generated information is provided as an XML page.
10. The method according to claim 1, wherein the list of available servers is provided as an XML page.
11. The method according to claim 1, wherein the dynamically generated information includes at least one of logging and status information.
12. The method according to claim 1, wherein the web server and remote monitor client communicate over a network utilizing HTTP-S.
13. The method according to claim 7, wherein the list of available servers only includes servers a particular remote monitor client is authorized to view.
14. The method according to claim 1, wherein the servers and the web server communicate utilizing HTTP.

15. The method according to claim 14, wherein the dynamically generating step comprises issuing a get command from the web server to the servers to obtain the information.
16. The method according to claim 15, further comprising, in response to the get command, providing an XML page including the information to the web server from the servers.
17. The method according to claim 16, further comprising generating an XML page containing the selected information at the server.
18. The method according to claim 1, wherein the servers include at least one of a protocol gateway, a message router, and a back-end server.
19. The method according to claim 5, wherein the receiving step comprises receiving from the remote monitor client a get command for the information at the web server.
20. In a messaging system communicating a message between a client device and servers over a plurality of wireless networks, each of which is adapted to support one or more wireless network protocols, and wherein a web server communicates with the servers, a method for monitoring status of the servers with remote monitor clients, comprising:
- receiving a list of available servers at the remote monitor client from the web server;
 - selecting servers from the list of available servers;
 - transmitting a list of selected servers from the remote monitor client to the web server; and
 - receiving information about the selected servers at the remote monitor client from the web server.

21. The method according to claim 20, further comprising displaying the information at the remote monitor client with a browser.

22. The method according to claim 21, further comprising displaying information from more than one servers simultaneously with the browser.

23. The method according to claim 20, wherein the information is received as an XML page.

24. The method according to claim 23, further comprising parsing the XML page with a parser to obtain selected information.

25. The method according to claim 20, wherein the list of available servers is received as an XML page.

26. The method according to claim 20, wherein the information includes at least one of logging and status information.

27. The method according to claim 20, wherein the web server and remote monitor client communicate over a network utilizing HTTP-S.

28. The method according to claim 20, wherein the list of available servers only includes servers a particular remote monitor client is authorized to view.

29. The method according to claim 20, further comprising requesting specific information about the selected servers from the web server.

30. The method according to claim 29, wherein the requesting step comprises issuing a get command from the remote monitor client to the web server to obtain the specific information.

31. The method according to claim 30, further comprising, in response to the get command providing an XML page including the specific information from the web server to the remote monitor client.

32. The method according to claim 20, wherein the servers include at least one of a protocol gateway, a message router, and a back-end server.

33. A remote monitoring system, comprising:

a client device;

a server having stored therein a server application, which is adapted to be executed by the server;

a plurality of wireless networks, each of which is adapted to:

communicate messages between the client device and the server;

and

support one or more wireless network protocols;

a protocol gateway encapsulating a fundamental network protocol, which underlies each of the one or more wireless network protocols;

at least one message router for routing the message between the protocol gateway and the server; and

means for providing status and logging information from at least one of the server, protocol gateway, and message router to a remote monitor client.

34. The system of claim 33, wherein the means for providing information comprises at least one web server communicating with the remote monitor client and at least one of the server, the protocol gateway, and the message router.

35. The system of claim 34, wherein the web server further comprises means for compiling a list of available servers, protocol gateways, and message routers and providing the list to the remote monitor client.

36. The system of claim 35, further comprising means for gathering requested information from at least one of the server, protocol gateway, and message router and providing the requested information to the remote monitor client.

37. The system of claim 33, wherein the information is provided to the remote monitor client as an XML page.

38. The system of claim 35, wherein the list is provided to the remote monitor client as an XML page.

39. The system of claim 33, wherein communication between the web server and the server, the protocol gateway, and the message router is performed using HTTP.

40. The system of claim 33, wherein communication between the web server and the remote monitor client is performed using HTTP-S.

41. In a communications system including a server, which is adapted to run a server application, a plurality of message routers, each of which is coupled to the server, a plurality of protocol gateways, each of which is coupled to each one of the plurality of message routers, a wireless network, which is adapted to couple the server, through one or more of the plurality of message routers and one or more of the plurality of protocol gateways, to a plurality of client devices, and a web server communicating with the server, the protocol gateways, and the message routers, a computer useable information storage medium storing computer readable program code means for causing a computer to perform the steps of:

publishing a list of available servers to the remote monitor clients;
receiving selected servers from the remote monitor clients;
dynamically generating information about the selected servers with the web server; and

providing the dynamically generated information from the web server to the remote monitor clients.

42. The a computer useable information storage medium according to claim 41, further comprising computer readable program code means for causing a computer to perform the steps of:
retrieving the list of available servers from a database with the web server.

43. The a computer useable information storage medium according to claim 41, further comprising computer readable program code means for causing a computer to perform the steps of:

examining a cache of the web server for the information; and
if the information is not present in the cache, retrieving the information from the selected server and storing the information in the cache.

44. The a computer useable information storage medium according to claim 41, further comprising computer readable program code means for causing a computer to perform the steps of:
determining an access level of the remote monitor client to receive information; and
providing only information corresponding to the access level to the remote monitor client.

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